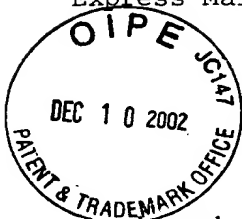


Express Mail No. EU531584420US

PATENT TRADEMARK OFFICE



TUL2AUSA

# 11/0  
JM  
12/14/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

M. Philipp

Appln. No. 09/445,803

Filed: December 13, 1999

For: SURFACE ANTIGENS AND PROTEINS  
USEFUL IN COMPOSITIONS FOR THE  
DIAGNOSIS AND PREVENTION OF  
LYME DISEASE

) Group Art Unit: 1645

)

) Examiner: R. Swartz

)

)

)

)

)

)

)

)

)

)

)

)

Commissioner for Patents  
Washington, DC 20231

) December 10, 2002

RECEIVED  
DEC 13 2002  
TECH CENTER 1600/2900

### RESPONSE AND AMENDMENT

Sir:

This paper is in timely response to the Office Action dated September 18, 2002. Please amend the application as set forth below.

#### **In the Specification**

On page 2, delete the paragraph spanning lines 4-18, and replace it with the following paragraph:

--[Publications relating to proteins and polypeptides of *Borrelia burgdorferi* have suggested their use as diagnostic or pharmaceutical agents. Such proteins and polypeptides include outer surface proteins A and B (OspA and OspB), flagellin, and other proteins designated P21, P39, P66, and P83 according to their estimated molecular weights [A. G. Barbour *et al*, Infect. Immun., 45:94-100 (1984); W. J. Simpson *et al*, J. Clin. Microbiol., 28:1329-1337 (1990); K. Hansen *et al*, Infect. Immun., 56:2047-2053 (1988); K. Hansen *et al*, Infect. J. Clin. Microbiol., 26:338-346 (1988); B. Wilske *et al*, Zentral. Bakteriell. Parasitenkd. Infektionshkr. Hyg. Abt. 1 Orig. Reihe. A., 263:92-102 (1986); D. W. Dorward *et al*, J. Clin. Microbiol.,

D!

D